AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-29 (Cancelled)

30. (Currently Amended) A content providing server that executes a content transmission process to a client connected via a local area network, characterized by comprising:

a tuner that <u>receives content over channels</u> executes a data reception process;

a data transmission/reception section that executes a communication process between the server and the client via the local area network for received the content by said tuner and control information;

a storage section having attribute information corresponding to the received content by the tuner as content information;

a content management section that executes a process of providing said the content information to the client; and

a content distribution control section that executes live streaming distribution control of the received content via said tuner to the client via the local area network,

wherein said the storage section is configured to store stores a first channel list including the identifier as identification information about a channel list containing at least a plurality of channels of received channels by said tuner, as content information corresponding to tuner-received content, and

wherein said the content distribution control section streams is configured to set a plurality of the tuner-received content, corresponding to the plurality of channels, described in said channel list as a single unit of controlled content, to execute control over content for distribution corresponding to the plurality of channels described in said channel list on the basis of a control request corresponding to the a second channel list identifier received from the client.

31. (Currently Amended) The content providing server as described in claim 30, wherein characterized in that:

<u>said the first channel list identifier is a comprises a plurality</u>
<u>of channel list [[URL]] URLs (Uniform Resource Locators);</u>

the second channel list comprises one of the URLs;

said the storage section is configured to store said the channel list [[URL]] <u>URLs</u> as attribute information corresponding to said tuner-received the content; and

execute distribution control over stream the content on the plurality of channels received by said tuner specified on the basis of said channel list the one URL, according to the control request from the client.

32. (Currently Amended) The content providing server as described in claim 30, characterized in that wherein:

said the first channel list identifier is comprises a plurality channel list of [[URL]] <u>URLs</u> (Uniform Resource Locators);

the second channel list comprises one of the URLs;

a connection for distribution streaming of the tuner-received content between the server and the client is an HTTP (HyperText Transport Protocol) connection set on the basis of said the one channel list URL; and

execute streams the content which continuously uses via the HTTP connection set on the basis of said channel list URL[[,]] before and after channel switching, wherein the channel switching comprises executed as switching of between the plurality of tuner-received content corresponding to the plurality of channels described in said the second channel list.

33. (Currently Amended) The content providing server as described in claim 30, characterized in that wherein:

protocol information comprising[[;]] a function ID, as tuner identification information, set so as to correspond corresponding to the received via the above-mentioned tuner contains a function ID as tuner identification information; and

execute a process of setting set a control instance that executes control over the tuner-received content, by executing as a control instance that executes control over [[a]] the tuner for control which is determined on the basis of based on said the function ID.

34. (Currently amended) The content providing server as described in claim 30, characterized in that wherein:

said the content distribution control section is configured to set sets a control instance to execute that executes content distribution control ever each for streaming content for distribution[[,]] to execute content-based distribution control which is based on the control instance; and

a tuner control instance that executes control over said

tuner-received the content is configured to execute by control over said

controlling the tuner on the basis of the control request from the client.

35. (Currently Amended) The content providing server as described in claim 30, characterized in that wherein:

said the content distribution control section is configured to:

set a control instance that executes to execute content distribution control over each for streaming content for distribution[[,]] to execute content-based distribution control which is based on the control instance[[,]]; and

execute connection management which is based on a connection management table comprising in which an instance ID as an identifier of said the control instance, a connection ID as a connection identifier between the server and the client, and protocol information corresponding to the content for distribution are associated with each other.

36. (Currently Amended) The content providing server as described in claim 30, characterized in that wherein:

set a control instance that executes content

distribution control over each for streaming content for distribution, toexecute content-based distribution control which is based on the control
instance[[;]] and wherein said the control instance is configured to have an
instance ID set as an identifier[[,]]; and

execute the content distribution control according to a control request from the client, wherein the client request designates the control instance ID is designated.

37. (Currently Amended) The content providing server as described in claim 30, characterized in that wherein:

receive a control request from the client, for streaming the content, for distribution wherein the control request which is compliant with a SOAP (Simple Object Access Control Protocol) protocol, from the client[[,]]; and

execute distribution control over the tuner-received content on the basis of said the control request.

38. (Currently Amendedl) The content providing server as described in claim 30, characterized in that wherein:

said the first channel list is configured to be set as a list formed from the plurality of channels divided according to categories.

39. (Currently Amended) The content providing server as described in claim 30, characterized in that wherein:

by being configured to: execute, during execution of distribution control ever content on the plurality of channels received by said tuner specified on the basis of a channel list URL as the identifier of said channel list, distribution of the tuner-received content specified on the basis of the channel list URL, in response to an HTTP-GET method received as a

content request from another client wherein the same channel list URL is designated, through an HTTP connection which is based on said channel list URL

set a URL as an identifier for the second channel

list;

receive an HTTP-GET method as a content
request from another client, the request invoking the URL; and
stream, through an HTTP connection, content based on the
URL invoked by the client.

40. (Currently Amended) The content providing server as described in claim 30, characterized in that wherein:

said the first channel list identifier is a comprises a plurality
of channel URL URLs (Uniform Resource Locators);

the second channel list comprises one of the URLs;

a connection for distribution streaming of the tuner-received content between the server and the client is an HTTP (HyperText Transfer Protocol) connection, wherein the connection is set on the basis of said the one channel list URL;

said the content distribution control section is configured to:

determine whether or not matching of coded datafor transmission streaming to the client can be maintained even when

there is switching between the plurality of channels described in said the second channel list has been switched[[,]]; and

execute breakage of the HTTP connection set on the basis of said channel list URL where it is determined that the matching streaming cannot be maintained; and

said the content providing server is configured to further execute a process of notifying notify breakage information about the HTTP connection set on the basis of the channel list URL, via an event notification connection between the server and the client.

41. (Currently Amended) The content providing server as described in claim 30, characterized in that wherein:

said the first channel list identifier is comprises a plurality of channel list URL URLs (Uniform Resource Locators);

the second channel list comprises one of the URLs;

a connection for distribution streaming of the tuner-received content between the server and the client is an HTTP (HyperText Transport Protocol) connection set on the basis of said channel list the one URL; and

said the content distribution control section is configured to execute switching of a plurality of between the channels described in said the second channel list by controlling the tuner control at a timing when

matching of coded data for transmission streaming, of the channels, to the client can be maintained.

42. (Currently Amended) An information processing apparatus that receives received content by a tuner set to a server connected via a local area network, from [[the]] a tuner set in a server via [[the]] a local area network, characterized by comprising:

a data transmission/reception section that executes data transmission/reception process with respect to the server that provides tuner-received content via the local area network, wherein the tuner receives the content over channels and the server stores a first channel list including the channels; and

a control section configured to:

network, a content transmission request which is based on including a second channel list identifier, the second channel list which is an identifier of a list containing at least including a plurality of the channels included in the first channel list of received channels by said tuner [[,]] to said server; and

also executes a process of transmitting transmit a distribution control request for tuner-received the content, wherein the server designates a control instance that executes control over content distribution streaming control is designated in said server.

43. (Currently Amended) The information processing apparatus as described in claim 42, characterized in that wherein:

said the control section is configured to:

wherein a function ID as tuner identification information which is a piece of protocol information contained in content information received from said server is stored[[,]] to said the server, to acquire an ID of [[a]] the control instance that executes control over the tuner-received content, wherein the ID comprises a tuner identification function ID based on protocol information stored in the server received from said server[[,]]; and to execute a process of transmitting

transmitting transmit the distribution control request for the tuner-received content, wherein said the acquired control instance ID is included in the distribution control request designated, as a response to said connection preparation request.

44. (Currently Amended) The information processing apparatus as described in claim 42, characterized in that wherein:

an identifier of said the first channel list is a channel list comprises a plurality of URLs [[URL]] (Uniform Resource Locators);

the second channel list comprises one of the URLs;

a connection for distribution streaming of tuner-received the content between the server and the client is an HTTP (HyperText

Transport Protocol) connection set on the basis of said the one channel list URL; and

said the control section is configured to execute executes content reception before and after switching [[of]] between the plurality of channels described in said the second channel list by continuously using the HTTP connection set on the basis of said channel list URL.

45. (Currently Amended) A content transmission control method for transmitting content from a tuner, set in a server, to a client via a local area network, wherein the tuner receives the content over channels and the server stores a first channel list including the channels, received-content by a tuner set to a content providing server, to a client via a local area network, characterized by comprising:

a control instance setting step[[,]] of setting a control instance, wherein tuner-received content corresponding to a plurality of channels described in a second channel list containing at least the plurality of channels of channels by said tuner[[,]] is set [[,]] as a unit of content[[,]] for to execute control over streaming of the content corresponding to the second channel list;

a control request reception step of receiving a control request, to said designating the control instance, from the client via the local area network; and

a control step of executing controlling the tuner control by said using the control instance designated in on the basis of said the control request.

46. (Currently Amended) The content transmission control method as described in claim 45, characterized in that wherein:

<u>said the first</u> channel list <u>identifier is a comprises a plurality</u> <u>of channel list URL URLs</u> (Uniform Resource Locators);

the second channel list comprises one of the URLs; and said setting the control instance setting step further comprises a step of associating said channel list the one URL with the control instance.

47. (Currently Amended) The content transmission control method as described in claim 45, characterized in that wherein:

<u>said the first</u> channel list identifier is a channel list URL <u>comprises a plurality or URLs</u> (Uniform Resource Locators);

the second channel list comprises one of the URLs;

a connection for distribution streaming of tuner-received the content between the server and the client is an HTTP (HyperText Transfer Protocol) connection set on the basis of said the one channel list URL; and

said setting the control instance further comprises step isconfigured to execute content streaming distribution which continuously
uses using the HTTP connection set on the basis of said channel list URL,
wherein the content streaming is executed before and after channel
switching executed as switching between of the plurality of tuner-received
content corresponding to the plurality of channels described in said the
second channel list.

48. (Currently Amended) The content transmission control method as described in claim 45, characterized in that wherein:

said the content information contains protocol information corresponding to the content[[;]], the protocol information set so as to correspond to the received content via said tuner contains containing a function ID as tuner identification information; and

said setting the control instance further comprises setting step is configured to execute a process of setting a control instance that executes control over the tuner-received content as a control instance that executes control over a controlling the tuner for control which is determined on the basis of said the function ID.

49. (Currently Amended) The content transmission control method as described in claim 45, characterized in that wherein:

said the content transmission control method further comprises a step of executing connection management which is based on

a connection management table <u>comprising</u> in which an instance ID as an identifier of <u>said</u> the control instance, a connection ID as a connection identifier between the server and the client, and protocol information corresponding to the content for distribution are associated with each other.

50. (Currently Amended) The content transmission control method as described in claim 45, characterized in that wherein:

said control request reception step is a step of receiving [[a]]

the control request further comprises receiving a request for streaming

content for distribution compliant with a SOAP (Simple Object Access

Control Protocol) protocol.

51. (Currently Amended) The content transmission control method as described in claim 45, characterized in that further comprising:

said content transmission control method further comprises a step of executing, during execution of distribution control over content on the plurality of channels received by said tuner specified on the basis of a channel list URL as an identifier of said channel list, distribution of the tuner-received content specified on the basis of the channel list URL, in response to an HTTP-GET method received as a content request from another client wherein the same channel list URL is designated, through an HTTP connection which is based on said channel list URL

setting a URL as an identifier for the second channel list;

another client, the request invoking the URL; and

streaming, through an HTTP connection, content based on
the URL invoked by the client.

52. (Currently Amended) The content transmission control method as described in claim 45, characterized in that wherein:

said the first channel list identifier is a channel list URL comprises a plurality of URLs (Uniform Resource Locators);

the second channels list comprises one of the URLs;

a connection for <u>streaming of the distribution for tuner-received</u> content is an HTTP (HyperText Transfer Protocol) connection set on the basis of <u>said channel list the one</u> URL; and

said content transmission control method further comprises:

a step of determining whether or not matching of eoded data for transmission[[,]] streaming of the content, to the client can be maintained even when there is switching between the plurality of channels described in said the second channel list has been switched[[,]]; and

executing breakage of the HTTP connection set onthe basis of said channel list URL where it is determined that the matching
streaming cannot be maintained; and

a step of executing a process of notifying breakage information about the HTTP connection set on the basis of the channel list-URL[[,]] via an event notification connection between the server and the client.

53. (Currently Amended) The content transmission control method as described in claim 45, characterized in that wherein:

an identifier of said the first channel list is a channel list URL comprises a plurality of URLs(Uniform Resource Locators);

the second channel list comprises one of the URLs;

a connection for distribution streaming of the tuner-received content is an HTTP (HyperText Transfer Protocol) connection set on the basis of said channel list the one URL; and

said control step comprises a step of executing switching

[[of]] between the plurality of channels described in said the second

channel list by controlling the tuner control at a timing when matching of

coded data for transmission streaming of the content, to the client, can be
maintained.

54. (Currently Amended) An information processing method for receiving received content [[by]] from a tuner set [[to]] in a server[[,]] from the server via a local area network, wherein the tuner

receives the content over channels and the server stores a first channel list including the channels, characterized by comprising:

a content transmission requesting step of transmitting a content transmission request which is based on including a second channel list identifier, which is an identifier of a the second channel list containing at least including a plurality of the channels included in the first channel list of received by said tuner; and

a control requesting step of executing a process of transmitting via the local area network a distribution control request for tuner-received the content, wherein the server designates a control instance that executes control over content distribution in said server[[,]] is designated.

55. (Currently Amended) The information processing method as described in claim 54, characterized in that further comprising:

said content transmission request step comprises a step of transmitting a connection preparation request, wherein a function ID as tuner identification information which is a piece of protocol information contained in content information received from said server, is stored, to said the server, to acquire an ID of the control instance, wherein the ID comprises a tuner identification function ID based on protocol information stored in the server; and

process of transmitting a distribution control request for tuner-received the content, wherein an ID of a the acquired control instance ID that executes control over tuner-received content received from said server is included in the distribution control request designated[[,]] as a response to said-connection preparation request.

56. (Currently Amended) The information processing method as described in claim 54, characterized in that wherein:

said the first channel list identifier is a channel list URL comprises a plurality of URLs (Uniform Resource Locators);

the second channel list comprises one of the URLs;

a connection for distribution streaming of tuner-received the content is an HTTP (HyperText Transfer Protocol) connection set on the basis of said channel list the one URL; and

executing content reception[[,]] before and after channel switching
executed as switching of a between the plurality of channels described in
said the second channel list by[[,]] continuously using the HTTP
connection set on the basis of said channel list URL.

57. (Currently Amended) A computer program that executes a content transmission control process for transmitting received

content by a tuner set to a content providing server, to a client via a local area network, characterized by computer-readable storage medium comprising a computer program which when executed on a processor, causes the processor to perform a method, the method comprising:

via a local area network, wherein the tuner receives the content over channels and the server stores a first channel list including the channels;

a control instance setting step of setting a control instance, wherein tuner-received content corresponding to a plurality of channels described in a second channel list containing at least the plurality of channels of received channels by said tuner is set [[,]] as a unit of content for to execute control over streaming of the content corresponding to the second channel list;

a control request receiving step of receiving a control request, to said designating the control instance, from the client via the local area network; and

a control step of executing controlling the tuner control by said using the control instance designated in on the basis of said the control request.

58. (Currently Amended) A computer program that executes an information processing process for receiving received content by a tuner set to a server, from the server via a local area network,

computer program which when executed on a processor, causes the processor to perform a method, the method comprising:

receiving content from a tuner set in a server, via a local
area network, wherein the tuner receives the content over channels and
the server stores a first channel list including the channels;

a content transmission requesting step of transmitting a content transmission request which is based on including a second channel list identifier, the second channel list which is an identifier of a list-containing at least including a plurality of the channels included in the first channel list of received channels by said tuner; and

a control requesting step of executing a process of transmitting, via the local area network, a distribution control request for tuner-received the content, wherein a control instance that executes control over content streaming distribution is designated in the said server[[,]] is designated.